

1 INFORMATION PROCESSING WITH DATA STORAGE

2 ABSTRACT

3 A data storage device includes an encryption circuit
4 for encrypting desired data and personal identification
5 information by use of an encryption key created out of a
6 given piece of the personal identification information such
7 as a password, a magnetic disk for recording the data and
8 the personal identification information which are encrypted
9 by the encryption circuit, and a central processing unit for
10 executing user verification by use of the encrypted personal
11 identification information stored in the magnetic disk. The
12 user verification is executed based on such verification
13 data. The write data transmitted from a host system are
14 encrypted by use of the foregoing encryption key and are
15 recorded in the magnetic disk. Alternatively, the data read
16 out of the magnetic disk are decrypted by use of the encryp-
17 tion key and are transmitted to the host system.